

Red Hills Landfill Update

April 2022

General Overview

Three big things are happening at Red Hills: recovering from the wettest March on record, constructing the new leachate collection system for Phase 6, and excavating for sequence 2. The City of Kaukauna is also planning on conducting the air survey in the next two months as well.

Surface Condition

As you can see from the pictures below, the month of March has brought a lot of moisture. Right now our key activities are:

- Maximizing pumping time of leachate. The leachate levels are down significantly from their levels in late March, but are still elevated from February levels. Later in this letter you will see that we are installing a new force main to allow pumping to the city 100% of the time.
- Installing a new surface sump on the west side. The rain and quick thaw caused one of the surface sumps to sink below grade. We will be installing a new one the week of 4/11.
- Restarting the surface sump pumping system. This system was down for winter due to freezing. The generator is one site and the system will be operational the week of 4/11

West Module Phase 6 Sequence 1



Center Module Phase 6 Sequence 1



East Module Phase 6 Sequence 1



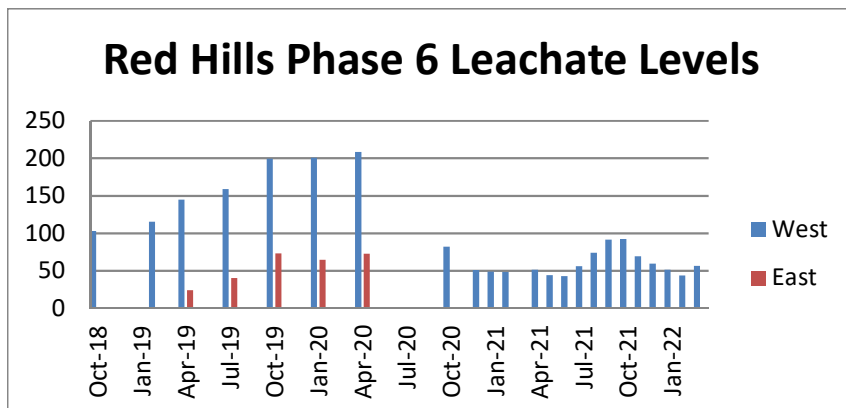
Leachate Management

Leachate levels are down from October, but did see a rise in March.

West Leachate Levels

10/14/21	92"
12/8/21	59"
1/12/22	52"
2/11/22	44"
3/9/22	56"

The graph to the right shows our trend in leachate levels since 10/1/18.



New Leachate Collection System

The construction of this new leachate collection system has started. This system allows for leachate to be removed from Phase 6 100% of the time. Piping installation should begin on the week of April 11th. The construction of the complete leachate system is going to take longer than the original schedule due to some equipment delays from supply chain issues. We are currently working with the DNR and HOV to connect Phase 6 Sequence 1 leachate pump to this system before the tanks are installed. We are hopeful to be pumping to the new system by the end of May or early June.



This is the new force main for the leachate collection system. The pipe was fabricated the week of 4/4/22, and expect installation to start the Week of 4/11/22.

Construction of this piping will result in a small section of the screening berm to be removed directly across from Links Ct. The berm disturbance is expected to be less than 3 weeks.

Phase 6 Sequence 2 Construction

Phase 6 Sequence 2 project should be starting before the end of April. The contractor has started to mobilize supplies and equipment for the project on-site. Construction of the site has not changed from the last update. The design was modified from Phase 6 Sequence 1 to include:

- Smaller overall footprint to reduce collection of rainwater
- Internal berm to promote stability
- Increased diameter of leachate piping
- Increased number of leachate collection lines
- Continuous leachate level monitoring

Trucks mobilizing below and the 8" diameter leachate collection piping to the right.



